


**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 0007564, Fayette County  
CSHPP-0007-00(564)  
Sidewalks in Fayetteville

**OFFICE** Preconstruction

**DATE** March 2, 2009

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO**  SEE DISTRIBUTION

**SUBJECT** APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

**DISTRIBUTION:**

Ron Wishon  
Glenn Bowman  
Ken Thompson  
Michael Henry  
Keith Golden  
Thomas Howell  
Paul Liles  
David Millen  
Tom Queen  
BOARD MEMBER

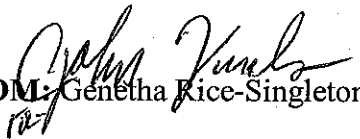
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** P.I. No. 0007564, Fayette County  
CSHPP-0007-00(564)  
Sidewalks in Fayetteville

**OFFICE:** Preconstruction

**DATE:** February 23, 2009

  
**FROM:** Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO:** Gerald M. Ross, P.E., Chief Engineer

**SUBJECT: PROJECT CONCEPT REPORT**

This project will construct sidewalk along SR 54 in Fayetteville at two sites. The projects limits constitute a heavily traveled corridor in downtown Fayetteville. This area currently lacks adequate or enhanced pedestrian facilities, handicap access and improved linkage to the multimodal system. A mixture of single family residential, public and civic buildings is located along the project corridor. Destinations located within the project limits are within walking distance to each other and to surrounding neighborhoods. However, due to the limited sidewalk network, awkward crosswalks, and increasing traffic on local roads, access to these destinations can be difficult for pedestrians. The completed project will make Fayetteville substantially more pedestrian oriented and improve safety.

Construction is proposed as follows:

**Site 1** will construct a 5' sidewalk connecting the existing walkways starting at the intersection of Burch Road and SR 54 and continuing east along the south side of SR 54 extending to the western property line of the cemetery located east of Braxton Court. An additional 430' of 5' sidewalk will connect Tiger Trail to an existing sidewalk on the north side of SR 54.

**Site 2** will construct an 8' bike and pedestrian sidewalk connecting the existing walkways starting on the northern side of SR 54 across from Wilbanks Drive and continuing east along the north side of SR 54 and extending to the intersection of Robinson Drive.

Environmental concerns include requiring a Categorical Exclusion be prepared; a Public hearing is not required; Time saving procedures are appropriate.

P.I. No. 0007564, Fayette County

Page 2

February 23, 2009

The estimated costs for this project are:

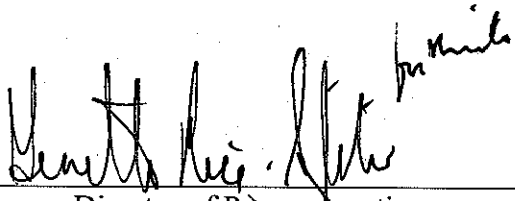
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C)	\$ 554,000	\$ 556,250	LY10	2010(proposed)
Right-of-way & Utilities	Local	Local	Local	Local

\* PMA signed 11- 6-06 Fayetteville will be responsible for PE and utilities, Right-of-Way and 20% Construction/ 100% construction over \$652K

I recommend this project concept be approved.

GRS: JDQ  
Attachment

CONCUR

  
Director of Preconstruction

APPROVED

  
Gerald M. Ross, P.E., Chief Engineer

# Concept Report

## DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

### PROJECT CONCEPT REPORT

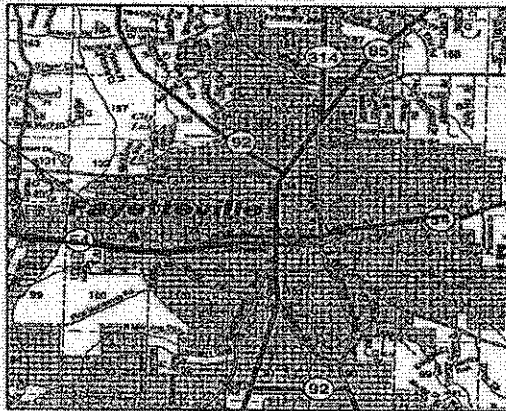
Project Number: CSHPP-0007-00(564)

County: Fayette

P. I. Number: 0007564

State Route Number: SR54

**SITE**



Recommendation for approval:

DATE 12/9/08

DATE 12-9-08

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 12-22-08

DATE 12-9-08

DATE \_\_\_\_\_

DATE \_\_\_\_\_

Thomas Green  
Project Manager

Cheryl Hower  
Office Head/District Engineer

\_\_\_\_\_  
State Transportation Planning Administrator

\_\_\_\_\_  
State Transportation Financial Management Administrator

David Smith  
State Environment/Location Engineer

John Smith  
State Traffic Safety and Design Engineer

\_\_\_\_\_  
District Engineer

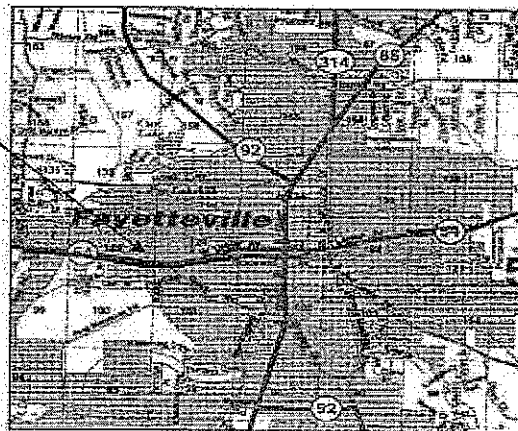
\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
Other Offices as required such as; Bridge Design, etc.

**Concept Report**  
**DEPARTMENT OF TRANSPORTATION**  
**STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**  
Project Number: CSHPP-0007-00(564)  
County: Fayette  
P. I. Number: 0007564  
State Route Number: SR54

**SITE**



Recommendation for approval:

DATE 9/9/08

DATE 9/9/08

Thomas Green  
Project Manager  
William Neal  
Office Head/District Engineer

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DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 9.11.08

DATE 9/9/08

DATE \_\_\_\_\_

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

\_\_\_\_\_  
State Transportation Financial Management Administrator

Kevin Solt  
State Environment/Location Engineer

William Neal  
State Traffic Safety and Design Engineer

\_\_\_\_\_  
District Engineer

\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
Other Offices as required such as: Bridge Design, etc.

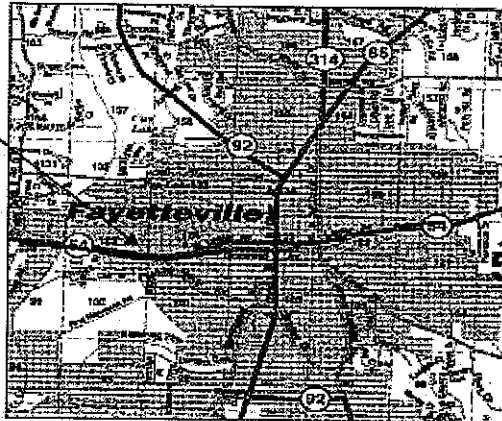
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**DEPARTMENT OF TRANSPORTATION**  
**STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**  
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County: Fayette  
P. I. Number: 0007564

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**SITE**



Recommendation for approval:

DATE 9/9/08

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Project Manager  
William Neal  
Office Head/District Engineer

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DATE 9/11/08

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 9/9/08

DATE \_\_\_\_\_

DATE \_\_\_\_\_

Angela S. Alexander  
State Transportation Planning Administrator  
\_\_\_\_\_  
State Transportation Financial Management Administrator  
\_\_\_\_\_  
State Environment/Location Engineer  
\_\_\_\_\_  
State Traffic Safety and Design Engineer  
James P. [Signature]  
District Engineer  
\_\_\_\_\_  
Project Review Engineer  
\_\_\_\_\_  
Other Offices as required such as: Bridge Design, etc.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

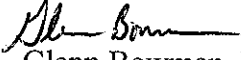
**FILE: P.I. No. 0007564**

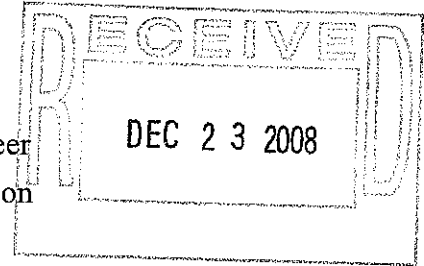
**OFFICE: Environment/Location**

**PROJECT No. CSHPP-0007-00(564) / FAYETTE  
County**

**DATE: 12/19/08**

**SR 54**

**FROM:**   
Glenn Bowman, P.E., State Environmental/Location Engineer  
**TO:** Genetha Rice-Singleton, Assistant Director of Preconstruction  
**SUBJECT: PROJECT CONCEPT REPORT REVIEW**



The Concept Report for the above project has been reviewed and appears satisfactory subject to the following comments:

1. At least three known historic structures are located along the corridor (SR 54) at Rose, Grady, and Cobblestone. Also, the cemetery east of Braxton is eligible for the National Register. If significant impacts to historic (4f) resources cannot be avoided, then the proposed environmental schedule must be revised significantly.
2. The project has a schedule shown in TPRO, but the schedule does not match the approved and proposed year of construction funds (2009) and there is no management directed let date. These issues need to be corrected.

If you have any questions, please contact Glenn Bowman at (404) 699-4401.

GB:lc

cc: Ron Wishon  
Angela Whitworth  
Keith Golden  
Angela Alexander  
Thomas Howell

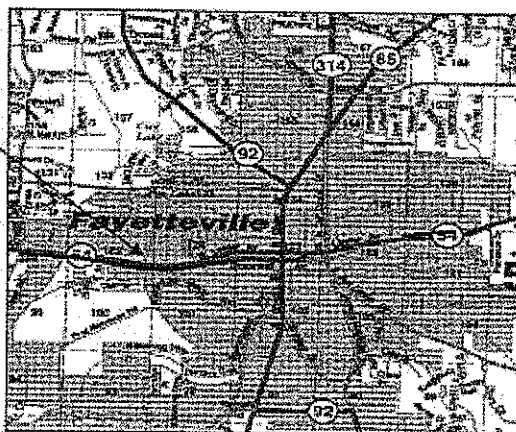
**Concept Report**  
**DEPARTMENT OF TRANSPORTATION**  
**STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**  
Project Number: CSHPP-0007-00(564)

County: Fayette  
P. I. Number: 0007564

State Route Number: SR54

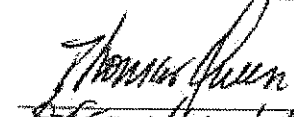
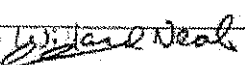
**SITE**



Recommendation for approval:

DATE 9/9/08

DATE 9/9/08

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 9/9/08

DATE 9/25/08

DATE \_\_\_\_\_


\_\_\_\_\_  
State Transportation Planning Administrator

\_\_\_\_\_  
State Transportation Financial Management Administrator

\_\_\_\_\_  
State Environment/Location Engineer

\_\_\_\_\_  
State Traffic Safety and Design Engineer

\_\_\_\_\_  
District Engineer

  
\_\_\_\_\_  
Project Review Engineer

Other Offices as required such as: Bridge Design, etc.

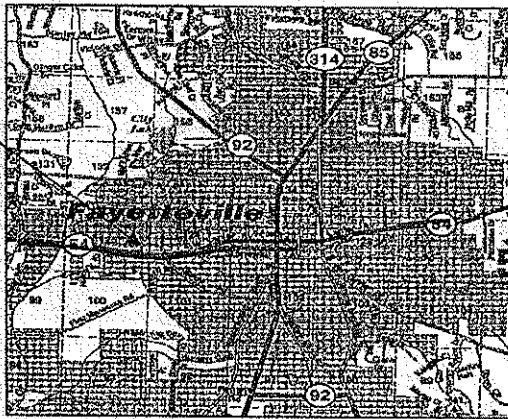


**Concept Report**  
**DEPARTMENT OF TRANSPORTATION**  
**STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**  
Project Number: CSHPP-0007-00(564)  
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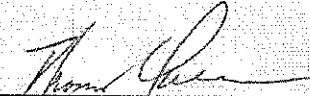
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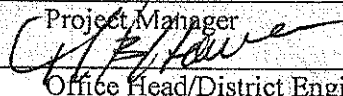
Recommendation for approval:

DATE 12/9/08

DATE 12-9-08



Project Manager



Office Head/District Engineer

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DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 12/19/08

DATE \_\_\_\_\_


DATE 12-9-08

DATE \_\_\_\_\_

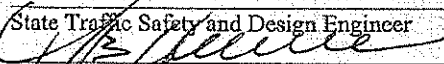
DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

\_\_\_\_\_  
State Transportation Financial Management Administrator

  
State Environment/Location Engineer

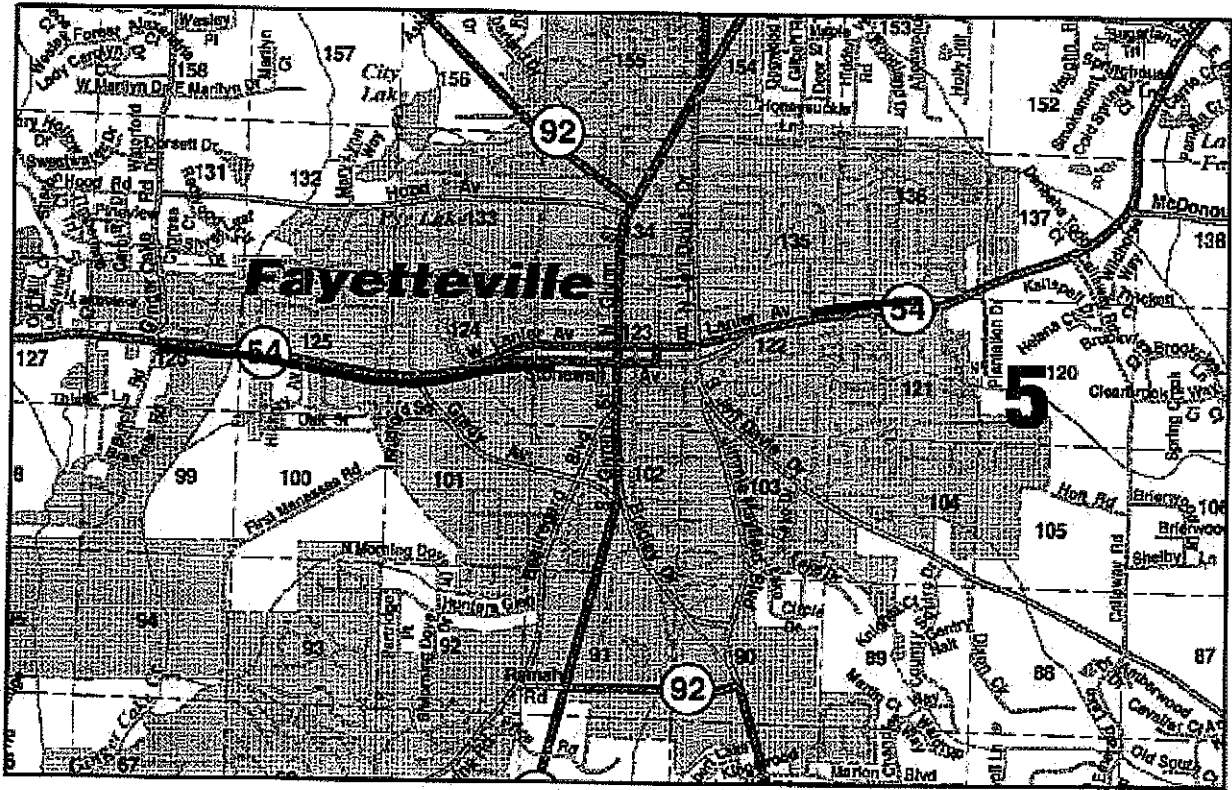
\_\_\_\_\_  
State Traffic Safety and Design Engineer

  
District Engineer

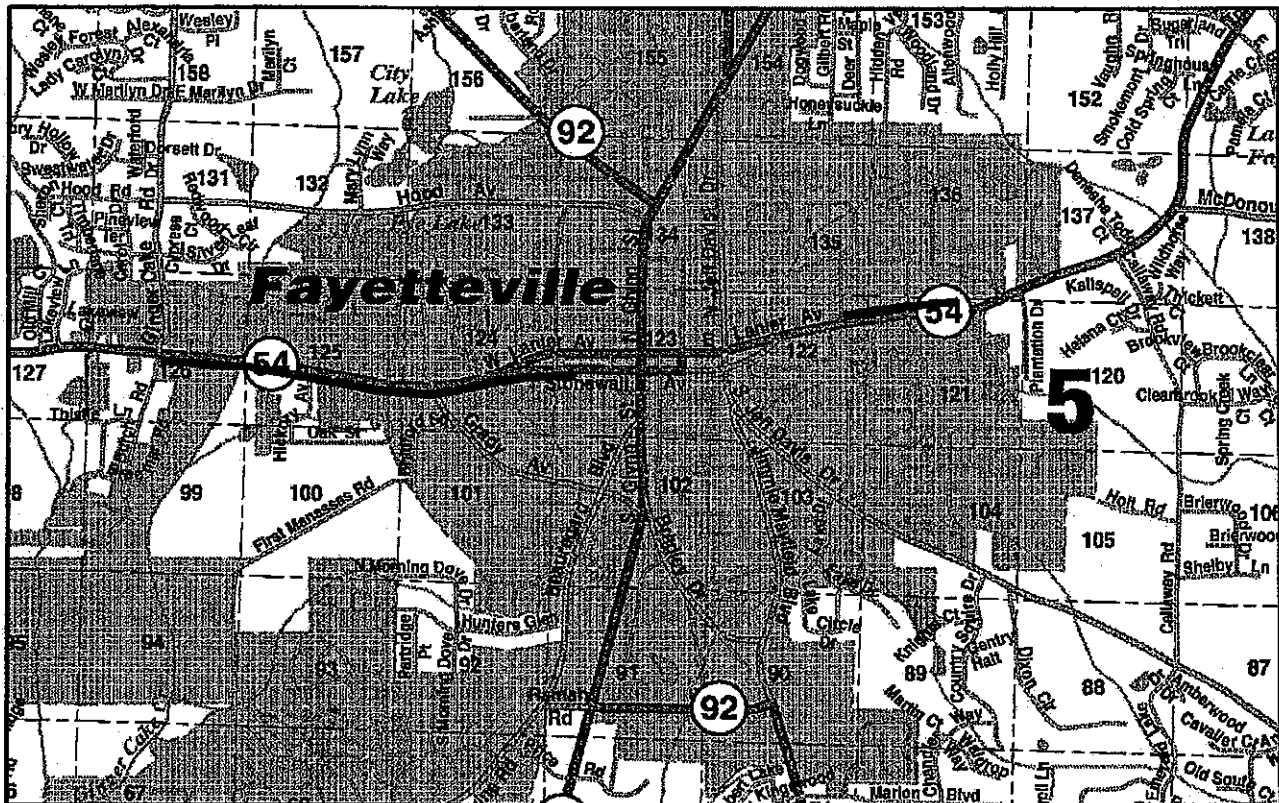
\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
Other Offices as required such as; Bridge Design, etc.

County: Fayette



Project Concept Report page : 1  
Project Number: CSHPP-0007-00(564)  
P. I. Number: 0007564  
County: Fayette



**Need and Purpose:** The proposed project would construct a minimum 5-foot wide sidewalk along Hwy. 54 in Fayetteville. The project limits constitute a heavily traveled corridor in downtown Fayetteville. The Fayetteville area currently lacks adequate or enhanced pedestrian facilities, handicap access and improved linkage to the multimodal system. The project would provide substantial pedestrian improvements such as new sidewalks, improved street crossings, handicap improvements, and improved signage. The completed project would make Fayetteville substantially more pedestrian oriented and improve safety.

Due to its location within the greater Atlanta Metropolitan Statistical Area (MSA), the City of Fayetteville is expected to remain a high growth area well into the future. The demands created by population and economic growth will require expansion of the transportation network. Due to the poor air quality of the region, alternatives to polluting, auto-oriented transportation are mandated by the United States Environmental Protection Agency (USEPA). The proposed project would provide an environmentally benign alternative to auto travel.

A mixture of single-family residential, public and civic buildings are located along the project corridor. Destinations located within the project limits are within a walkable distance to each other and to surrounding neighborhoods. However, due to the limited sidewalk network, awkward crosswalks, and increasing traffic on local roads, access to these destinations can be difficult for pedestrians.

The City of Fayetteville is within the 13 County Atlanta non-attainment area for air quality. The proposed project would support efforts to reduce dependence upon automobile-oriented development by investing in a developed area where no pedestrian infrastructure presently exists, which is connected to neighborhoods, schools, businesses and parks via a local street network. The proposed project would support Atlanta Regional Commission (ARC), USEPA and regional efforts to "foster greater livability in activity and employment centers in our region". The project would provide funding to enhance livability and mobility for residents, and support the fundamental concepts of:

- Connecting homes, shops and offices
- Enhance streetscaping and sidewalks
- Emphasizing the pedestrian

In accordance with the Georgia Planning Act, the improvements are consistent with the City Comprehensive Plan and approved by the Fayetteville City Council. The proposed improvements have been added to the five year Short Term Work Program (STWP). The Comprehensive Plan policies provide a framework to facilitate and encourage coordinated comprehensive planning and development. The City of Fayetteville Comprehensive Plan currently calls for institutional and residential uses in the project area and community facilities where the institutional uses are located. These uses would be accentuated by the implementation of the proposed project, which would provide substantial improvement to the pedestrian network and would support the density and development types the City desires for the area. Georgia Highway 54 is a state designated bike route. The City is actively working to create a bike path on the north side the road. General guidelines for path and sidewalk design are taken from "Pedestrian & Streetscape Guide" by

Project Concept Report page: 3  
Project Number: CSHPP-0007-00(564)  
P. I. Number: 0007564  
County: Fayette

Otak, Inc. and the City of Fayetteville guidelines for Pedestrian walks and paths within the City limits.

**Description of the proposed project:**

A) Construction of a 5'-0" ~~bike~~ and pedestrian concrete sidewalk connecting the existing walkways starting at the intersection of Burch Road and Hwy. 54 and continuing east along the southern side of Hwy. 54 extending to the western property line of the cemetery located east of Braxton Court. Additionally, approximately 430' of 5'-0" sidewalk will connect Tiger Trail to an existing sidewalk on the northern side of the eastbound lanes of Hwy. 54. The project area length is approximately 8,500 linear feet including 6,100 linear feet of new sidewalks.

B) Construction of an 8'-0" bike and pedestrian concrete sidewalk connecting the existing walkways starting on the northern side of Hwy. 54 across from Wilbanks Drive and continuing east along the northern side of Hwy. 54 and extending to the intersection of Robinson Drive and Hwy 54. The project area length is approximately 3,500 linear feet including 3,000 linear feet of new sidewalks.

Is the project located in a Non-attainment area? ☒ Yes ☐ No.

PDP Classification: Major ☐ Minor ☒

Federal Oversight: Full Oversight ( ☐ ), Exempt ( ☒ ), State Funded ( ☐ ), or Other ( ☐ )

Functional Classification: Urban Principal Arterial

U. S. Route Number(s): N/A

State Route Number(s): 54

Traffic (AADT):

Current Year: (20XX) N/A Design Year: (20YY) N/A

Project Concept Report page: 4  
Project Number: CSHPP-0007-00(564)  
P. I. Number: 0007564  
County: Fayette

**Existing design features:**

- Typical Section: Add sidewalks to existing road shoulder.
- Posted speed: 35-55 mph Minimum radius for curve: N/A
- Maximum super-elevation rate for curve: N/A
- Maximum grade: N/A % (List mainline, cross roads, and driveways)
- Width of right-of-way: N/A ft.
- Major structures: N/A List all bridge structures including length, width, and sufficient rating).
- Major interchanges or intersections along the project: N/A
- Existing length of roadway segment and the beginning mile logs for each county segment. For new location projects, the existing length of roadway is zero (0): 12,000 L.F.

**Proposed Design Features:**

*Proposed typical section(s):*

**A) Hwy 54 west (Sta 464+00 through Sta 466+70 & Sta 469+80 through Sta 483+50)**

- Posted Speed: 55 mph Clear Zone: 16-18 ft
- Beginning at the edge of existing pavement, there will be a 5'-0" wide grassed planting strip, followed by a 5'-0" wide concrete sidewalk and a 2'-0" wide grassed shoulder.
- (Refer to Attachment A – Section B)

**B) Hwy 54 west (Sta 466+70 through Sta 469+80)**

- Posted Speed: 55 mph Clear Zone: 8 ft
- Curb and Gutter Section – Beginning at the back of curb, there will be a 2'-0" wide grassed planting strip, followed by a 5'-0" wide concrete sidewalk and a 1'-0" wide grassed shoulder.
- (Refer to Attachment A – Section A)

**C) Hwy 54 west (Sta 483+50 through Sta 489+50)**

- Posted Speed: 45 mph Clear Zone: 14-16 ft
- Beginning at the edge of existing pavement, there will be a 5'-0" wide grassed planting strip, followed by a 5'-0" wide concrete sidewalk and a 2'-0" wide grassed shoulder.
- (Refer to Attachment A – Section B)

**D) Hwy 54 west (Sta 489+50 through Sta 528+00)**

- Posted Speed: 45 mph Clear Zone: 8 ft
- Curb and Gutter Section – Beginning at the back of curb, there will be a 2'-0" wide grassed planting strip, followed by a 5'-0" wide concrete sidewalk and a 1'-0" wide grassed shoulder.
- (Refer to Attachment A – Section A)

**E) Hwy 54 west [EBL] (Sta 1533+20 through Sta 1539+50 and 1542+00 to 1546+50)**

- Posted Speed: 35 mph Clear Zone: 8 ft
- Curb and Gutter Section – Beginning at the back of curb, there will be a 2'-0" wide grassed planting strip, followed by a 5'-0" wide concrete sidewalk and a 1'-0" wide grassed shoulder.
- (Refer to Attachment A – Section A)

Project Concept Report page: 5  
Project Number: CSHPP-0007-00(564)  
P. I. Number: 0007564  
County: Fayette

**G) Hwy 54 east (Sta 604+20 through Sta 629+50)**

- Posted Speed: 45 mph      Clear Zone: 8 ft
- Curb and Gutter Section – Beginning at the back of curb, there will be a 2'-0" wide grassed planting strip, followed by a 8'-0" wide concrete sidewalk and a 1'-0" wide grassed shoulder. (Refer to Attachment A – Section A)

**H) hwy 54 east (Sta 629+50 through Sta 638+50)**

- Posted Speed: 55 mph      Clear Zone: 8 ft
- Curb and Gutter Section – Beginning at the back of curb, there will be a 2'-0" wide grassed planting strip, followed by a 8'-0" wide concrete sidewalk and a 1'-0" wide grassed shoulder. (Refer to Attachment A – Section A)

- Proposed Design Speed Mainline 35-55 mph
- Proposed Maximum grade Mainline N/A %      Maximum grade allowable N/A %
- Proposed Maximum grade Side Street N/A %      Maximum grade allowable N/A %
- Proposed Maximum grade driveway N/A %
- Proposed Maximum degree of curve N/A      Maximum degree allowable N/A
- Right-of-Way
  - Width Varies – (130' Required)
  - Easements: Temporary (☒) , Permanent (☒) , Utility ( ☐ ) , Other ( ☐ ) .
  - Type of access control: Full ( ☐ ) , Partial ( ☐ ) , By Permit (☒ ) , Other ( ☐ ) .
  - Number of parcels: unknown      Number of displacements:
    - Business: N/A
    - Residences: N/A
    - Mobile homes: N/A
    - Other: N/A
- Structures:
  - Bridges - None
  - Retaining walls – Yes @ Sta 508+75 – 509+75
- Major intersections and interchanges - None
- Traffic control during construction: *Right lane closure in current working area only.*

Project Concept Report page: 6  
Project Number: CSHPP-0007-00(564)  
P. I. Number: 0007564  
County: Fayette

- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	( )	( )	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	( )	( )	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	( )	( )	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input checked="" type="checkbox"/>	( )	( )
CROSS SLOPES:	( )	( )	<input checked="" type="checkbox"/>
STOPPING SIGHT DISTANCE:	( )	( )	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	( )	( )	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	( )	( )	<input checked="" type="checkbox"/>
SPEED DESIGN:	( )	( )	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	( )	( )	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	( )	( )	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	( )	( )	<input checked="" type="checkbox"/>

- Design Variances - Undetermined
- Environmental concerns - N/A
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes (☒) , No ( ) ,
  - Categorical exclusion (☒) ,
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ( ) , or
  - Environmental Impact Statement (EIS) ( ) .
- Utility involvements: Pole, water meter, and valve location adjustments

VE Study Required      Yes ( )      No ( ☒ )

**Project responsibilities:**

- Design – Local Government
- Right-of-Way Acquisition – Local Government
- Relocation of Utilities – Local Government
- Letting to contract – Local Government
- Supervision of construction – Local & State Government



Project Concept Report page: 7  
Project Number: CSHPP-0007-00(564)  
P. I. Number: 0007564  
County: Fayette

### Coordination

- Initial Concept Meeting was held on May 14<sup>th</sup>, 2008. The following persons were in attendance:
  - Don Easterbrook, City of Fayetteville – City Engineer
  - Tom Queen, Georgia Department of Transportation - District Planning and Programming Engineer
  - Mike Haponski, P.E. City of Fayetteville Consultant – Civil Engineer / Designer
  - Willard Neal, City of Fayetteville Consultant – Civil Engineer / Designer
- Concept meeting date and brief summary
  - In some areas, the sidewalk will exceed 5% because it ties into an existing sidewalk or S.R. 54 exceeds 5%, therefore, a Design Exception or Variance may be required.
  - Plans will be sent to Kim Brown to distribute to the appropriate utilities.
  - At Ginger Cake Creek, the 5' sidewalk will only have a 3' strip of grass between it and the edge of pavement because of an existing guard rail, but the overall distance from the travel lane will still exceed 5'
  - The proposed sidewalk will tie into an existing sidewalk on a private development from Sta 488+00 to Sta 491+50. We propose to incorporate this section into the overall project by means of access and perpetual maintenance easements.
  - The proposed walls will not need structural review by the Office of Bridge Design if we use the GDOT Standard Gravity Wall Detail 9031.
  - Dust pan aprons will be used per GDOT Standard Detail A1.
  - Approximately 600' of curb and gutter will be installed in a 55mph speed limit zone. There are auxiliary right hand turn lanes that measure over 12' in width that are located between the travel lane and the proposed curb and gutter.
  - All environmental reports have been submitted and we are awaiting approvals prior to the CE submittal.
- P A R meetings, dates and results - N/A
- FEMA, USCG, and/or TVA – N/A
- Public involvement – Over the last 6 years, the City of Fayetteville has received requests from the public to provide sidewalk access to area schools. This project will address this public request.
- Local government comments – N/A
- Other projects in the area – Signalization Improvements CSSTP-0007-00(668)  
PI Number: 0007668
- Railroads – N/A
- Other coordination – N/A

Project Concept Report page: 8  
Project Number: CSHPP-0007-00(564)  
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County: Fayette

**Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 6 Months.
- Time to complete preliminary construction plans: 2 Months.
- Time to complete right-of-way plans: 2 Months.
- Time to complete the Section 404 Permit: N/A Months.
- Time to complete final construction plans: 2 Months.
- Time to complete to purchase right-of-way: 4 Months.
- List other major items that will affect the project schedule: N/A Months.

**Other alternates considered:**

The No Build Alternative is one in which the City of Fayetteville would take no action to construct the proposed project. This was the only alternative considered. The No Build alternative would not provide any pedestrian, safety or handicap access improvements in the project area. This alternative would not provide the social, economic, environmental and alternative transportation improvements provided by the build alternative.

**Comments:** N/A

**Attachments:**

A. Typical sections

PRELIMINARY CONSTRUCTION COST ESTIMATE  
HIGHWAY 54 SIDEWALKS  
October 24, 2008

ITEM NO.	DESCRIPTION	UNIT	Quantity	UNIT RATE	TOTAL
<b>GENERAL</b>					
<b>ROADWAY</b>					
150-1000	TRAFFIC CONTROL - TEE-0008-00(592)	LS	1	\$25,000.00	\$25,000.00
210-0100	GRADING COMPLETE - TEE-0006-00(592)	LS	1	\$70,000.00	\$70,000.00
310-1101	GRAGG BASE COURSE, 4 INCH MATL	LN		\$38.00	
318-3000	AGG. SURF CRS.	LN		\$38.00	
402-1812	RECYCLED ASPH CONC LEVELING INCC BITUM MATL 4 INCH	LN		\$100.00	
402-3110	RECYCLED ASPH CONC 9.5 MM SURF BASE, GR 1 OR 2 INCC BITUM MATL 4 INCH	LN		\$100.00	
413-1000	BITUM TACK COAT	CF		\$2.50	
441-0014	DRIVEWAY CONCRETE, 4 IN TK	SY	65	\$38.00	\$2,470.00
441-0104	CONC SIDEWALK, 4 IN	SY	5698	\$40.00	\$227,920.00
441-4020	CONC VALLEY GUTTER, 6 IN	SY	39	\$38.00	\$1,482.00
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	LF	513	\$15.00	\$7,695.00
446-1100	PVM REINF FABRIC STRIPS, 12" X 24" INCH WIDTH	LF		\$8.00	
500-9899	CLASS B CONC. BASE OR PVM WIDENING	CF		\$200.00	
<b>STORM DRAIN</b>					
550-1150	STORM DRAIN PIPE, 16 IN, H 1:10	LF		\$40.00	
550-1180	STORM DRAIN PIPE, 18 IN, H 1:10	LF	964	\$45.00	\$44,280.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1:10	LF	28	\$80.00	\$2,240.00
550-2150	SIDE DRAIN PIPE, 18 IN, H 1:10	LF		\$25.00	
550-3616	SAFETY END SECTION, 7.5 IN, SIDE DRAIN, 6.4 SLOPE	EA		\$530.00	
550-4224	SAFETY END SECTION, 24 IN, SIDE DRAIN, 6.4 SLOPE	EA		\$14.00	
550-4215	FLARED END SECTION, 15 IN STORM DRAIN	EA	1	\$685.00	\$685.00
550-4218	FLARED END SECTION, 18 IN STORM DRAIN	EA	4	\$696.00	\$2,784.00
<b>MISCELLANEOUS</b>					
611-5551	RESET SIGN	EA	51	\$150.00	\$7,650.00
611-8010	ADJUST HYDRANT TO GRADE	EA	3	\$2,100.00	\$6,300.00
661-8050	ADJUST MANHOLE TO GRADE	EA	4	\$760.00	\$3,040.00
661-8120	ADJUST WATER METER BOX TO GRADE	EA	8	\$650.00	\$5,200.00
661-8140	ADJUST WATER VALVE BOX TO GRADE	EA	13	\$550.00	\$7,150.00
668-1100	CATCH BASIN, GP 1	EA	6	\$2,300.00	\$13,800.00
668-2100	DROP INLET, GP 1	EA	3	\$2,400.00	\$7,200.00
668-4300	STORM SEWER MANHOLE, TP 1	EA	1	\$2,250.00	\$2,250.00
<b>EROSION CONTROL</b>					
163-0232	TEMPORARY GRASSING	AC	2	\$550.00	\$1,100.00
163-0240	MULCH	TN	6	\$250.00	\$1,500.00
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LF	4300	\$1.50	\$6,450.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	8809	\$2.30	\$19,800.70
700-6910	PERMANENT GRASSING	AC	2	\$900.00	\$1,800.00
700-7000	AGRICULTURAL LIME	TN	6	\$62.00	\$372.00
700-7010	LIQUID LIME	GL	5	\$20.00	\$100.00
700-8000	FERTILIZER MIXED GRADE	TN	1	\$320.00	\$320.00
700-8100	FERTILIZER NITROGEN CONTENT	LB	100	\$2.00	\$200.00
716-2000	EROSION CONTROL MATS, SLOPES	SY	250	\$1.10	\$275.00
167-1000	WATER MONITORING AND SAMPLING	EA	4	\$1,029.00	\$4,116.00
<b>SIGNING &amp; MARKING</b>					
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN. WHITE	LF	513	\$0.40	\$205.20
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN. YELLOW	LF		\$0.40	
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN. WHITE	LF	96	\$4.10	\$393.60
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 3 IN. WHITE	LF	3797	\$1.90	\$7,214.30
SUB-TOTAL					\$480,992.80
CONTEGENCY					

\$ 480, 992.80

<b>Subtotal Construction Cost</b>	<b>\$480,992.00</b>
Engineering @ 5%	\$24,049.00
Contingency@3%	\$15,151.00
<b>Total Construction Cost</b>	<b>\$520,192.00</b>